

Title (en)

IOT DEVICE DISCOVERY AND IDENTIFICATION

Title (de)

ENTDECKUNG UND IDENTIFIZIERUNG VON IOT-VORRICHTUNGEN

Title (fr)

DÉCOUVERTE ET IDENTIFICATION DE DISPOSITIF IDO

Publication

EP 4158923 A4 20240626 (EN)

Application

EP 21817458 A 20210601

Priority

- US 202063033004 P 20200601
- US 202017133189 A 20201223
- US 2021035278 W 20210601

Abstract (en)

[origin: US11115799B1] Techniques for performing Internet of Things (IoT) device identification are disclosed. Information associated with a network communication of an IoT device is received. A determination of whether the IoT device has been classified has been made. In response to determining that the IoT device has not been classified, a two-part classification process is performed, where a first portion includes an inline classification, and a second portion includes a subsequent verification of the inline classification. A result of the classification process is provided to a security appliance configured to apply a policy to the IoT device.

IPC 8 full level

H04W 8/00 (2009.01); **H04L 9/40** (2022.01); **H04W 8/18** (2009.01)

CPC (source: EP KR US)

G06N 20/00 (2019.01 - KR); **H04L 63/104** (2013.01 - US); **H04L 63/1408** (2013.01 - KR); **H04L 63/1416** (2013.01 - EP); **H04L 63/1425** (2013.01 - EP); **H04L 63/1433** (2013.01 - EP); **H04L 63/145** (2013.01 - KR); **H04L 63/162** (2013.01 - US); **H04L 63/205** (2013.01 - KR US); **H04L 67/303** (2013.01 - KR); **H04W 8/005** (2013.01 - US); **H04W 8/183** (2013.01 - US); **H04L 63/20** (2013.01 - EP); **H04W 8/005** (2013.01 - EP)

Citation (search report)

- [I] US 2018375887 A1 20181227 - DEZENT NIMROD [IL], et al
- [I] US 2017063889 A1 20170302 - MUDDU SUDHAKAR [US], et al
- [A] EP 3576373 A1 20191204 - FIRSTPOINT MOBILE GUARD LTD [IL]
- See also references of WO 2021247597A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 11115799 B1 20210907; CN 115486105 A 20221216; EP 4158923 A1 20230405; EP 4158923 A4 20240626; JP 2023524235 A 20230609; JP 7418611 B2 20240119; KR 20220162774 A 20221208; US 11722875 B2 20230808; US 2021377719 A1 20211202; WO 2021247597 A1 20211209

DOCDB simple family (application)

US 202017133189 A 20201223; CN 202180032361 A 20210601; EP 21817458 A 20210601; JP 2022565976 A 20210601; KR 20227038302 A 20210601; US 2021035278 W 20210601; US 202117381103 A 20210720